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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/090,594	03/01/2002	Xuzhi Qin	589.118US1	6596	
7:	590 12/04/2002				
Mark A. Litman & Associates, P.A.			EXAMINER		
York Business Center, Suite 205 3209 West 76th St.			COVINGTON,	RAYMOND K	
Edina, MN 55	435		ART UNIT	PAPER NUMBER	
			1625		
			DATE MAILED: 12/04/2002	DATE MAILED: 12/04/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/090,594	QIN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Raymond Coving					
The MAILING DATE of this communication app Period for Reply	ears on the cover s	sheet with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was a reply within the set or extended period for reply will, by statute, any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, howev within the statutory minin vill apply and will expire SI cause the application to I	er, may a reply be timely filed num of thirty (30) days will be considered timely. X (6) MONTHS from the mailing date of this communication become ABANDONED (35 U.S.C. § 133).	n.			
1) Responsive to communication(s) filed on 18 J	anuary 2002 .					
2a) This action is FINAL . 2b) ⊠ Thi	is action is non-fin	al.				
3) Since this application is in condition for allowa closed in accordance with the practice under <i>I</i> Disposition of Claims			is			
4) Claim(s) is/are pending in the application	on					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-18</u> is/are rejected.						
7) Claim(s) is/are objected to.	,					
8) Claim(s) are subject to restriction and/or	election requirem	ent.				
Application Papers						
9)☐ The specification is objected to by the Examiner	·.					
10) The drawing(s) filed on is/are: a) accep	ted or b) objecte	d to by the Examiner.				
Applicant may not request that any objection to the	=	•				
11) The proposed drawing correction filed on						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Exa	aminer.					
Priority under 35 U.S.C. §§ 119 and 120		11.0.0.0.440(-) (1) (0)				
13) Acknowledgment is made of a claim for foreign	priority under 35	U.S.C. § 119(a)-(d) or (f).				
a) All b) Some * c) None of:	n hawa haan rassi					
Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No.						
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bur * See the attached detailed Office action for a list of	reau (PCT Rule 17	7.2(a)).				
14) Acknowledgment is made of a claim for domestic	priority under 35	U.S.C. § 119(e) (to a provisional applicati	ion).			
 a) The translation of the foreign language pro- 15) Acknowledgment is made of a claim for domestic 	• •					
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 	5) 🔲 1	nterview Summary (PTO-413) Paper No(s) Notice of Informal Patent Application (PTO-152) Other:				

Application/Control Number: 10/090,594

Art Unit: 1625

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Becker US 3,567,605 in view of Kumar et al US 5,651,923.

Becker US '605 teaches photochromic chromene derivatives of the type claimed. See column 5 lines 55+ and claim 1. Note in particular claim 1 where R_5 - R_6 is a condensation product. Patentee differs from the claimed invention in that the fused 1,4-benzodioxine is not specifically taught. However, Kumar et al US '927 teach an analogous compound, which includes fused ring polycyclic Oheterocyclic substituents. See column 2 lines 25-65, note particularly ring a of formula I. To modify Becker US '605 to include the teachings of Kumar et al US '923 would have been obvious to one of ordinary skill in the art, as the results, enhanced photochromic properties, would not have been unexpected.

No claim is allowed.

Covington/LR

November 27, 2002

Page 3

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond Covington whose telephone number is (703) 308-4704. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, A. Rotman can be reached on (703) 308-0204. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7922 for regular communications and (703) 308-7922 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1235.

> **Raymond Covington** Examiner

Art Unit 1625

ALAN L. ROTMAN SUPERVISORY PATENT EXAMINER

Glan L. Rotman

TECHNOLOGY CENTER 1600